What is claimed is:

1. A process for broadband Ethernet multicasting comprising the steps of:

(a) establishing a multicasting service whereby a multicasting address replaces an original address of at least one receiving party;

(b) receiving and sharing one multicasting data packet simultaneously among at least 2 multiusers in one transmission.

2. The process of claim 1 wherein the multicasting address is a set of numbers to identify the specific multicasting service.

3. The process of claim 2 wherein the set of numbers is called a multicasting address pool existing in each switches in the network.

4. A multicasting process for establishing multicasting communication comprising the steps of:

(a) requesting a multicasting service module in a sub network to distribute a multicasting address;

(b) choosing one spare multicasting address from a local multicasting address pool and distributing said multicasting address to identify the multicasting service;

(c) authenticating all receiving parties to confirm receipt of the multicasting service;

(d) notifying receiving parties of the multicasting address by a 'MULTICASTING COMMAND' signal.

5. The process of claim 4 wherein the multicasting communication module resides in each switches with the function of routing setup in service establishment and routing retrieving in communication procedure.

6. The process of claim 5 further comprising,

A FIFO (First In First Out) for buffering the multicasting data;

An address analysizer to identify the multicasting flag and map the

multicasting address;

A multicasting address pool; and

A distributor to execute a CONNECT/DISCONNECT action.